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TLR50A533

Waimanalo Gulch Sanitary Landfill



WASTE MANAGEMENT OF HAWAII INC.

92-460 Farrington Highway
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June 19, 2015

2015 JUN 22 10:22AM

Ms. Kris Poentis, Engineering Section
State Department of Health
Environmental Management Division
Clean Water Branch
919 Ala Moana Boulevard, #300
Honolulu, HI 96801-3378

Subject: Waimanalo Gulch Sanitary Landfill, Kapolei, Oahu, Hawaii
File No. HI R50A533

Dear Ms. Poentis:

Per Hawaii Administrative Rules (HAR) Chapter 11-55, Appendix B, this letter serves as written notification to the State Department of Health (DOH) Clean Water Branch (CWB) of a recent potential exceedance of storm water discharge limitations as stated in the Waimanalo Gulch Sanitary Landfill (WGSL) Notice of General Permit Coverage (NGPC), dated August 30, 2010 and renewed on December 9, 2013.

The potential exceedance is listed in the table below, along with the corresponding discharge limitation per the NGPC:

Table 1: WGSL Storm Water Sampling Exceedances

Sample Date	Sampling Point	Parameter	Result	Effluent Limitation
June 15, 2015	DB01-E	pH	11.87 to 10.37	5.5 – 8.0

Discharge from the site was the result of a short rainfall event which occurred in the afternoon of June 15, 2015. The sampling event occurred in the late afternoon of the same day. Analytical grab and composite samples were collected from the water actively discharging over the concrete weir at the point of compliance. At the time of the event, the continuous discharge averaged 0.21 ft³/sec at the east outfall (DB01-E) and no flow at the west outfall (DB01-W). The pH field measurements ranged from 11.87 to 10.37 during collection of the sample aliquots. The Field Information Form is attached for your information.

A representative of Waste Management of Hawaii (WMH) made a verbal notification of the potential exceedance to the CWB on June 16, 2015.

No direct cause for the pH exceedance could be identified. Sample appearance was slightly turbid, but had no odor, scum, oil sheen, or floating debris. The initial pH reading of 11.87 was obtained at 6:17PM, followed by descending values until the 7:02PM reading of 10.37. The

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field tech re-measured the pH at 8:05PM with an average reading of 8.27. It is suspected that the initial readings were the result of residue located within the small weir area or instrument/operator error. The 8:05PM readings are more in line with other discharge event pH readings, which we believe are the result of naturally occurring background ion levels in surrounding soils is the primary source of the elevated pH values. Water discharging from the Western Diversion Flip Bucket appeared visually much more turbid than the DB01-E sample.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you should have any questions or require additional information, please contact me at (808) 668-2985.

Very truly yours,

A handwritten signature in cursive script, reading "Joseph R. Whelan".

Joseph Whelan
General Manager/Vice President
Waste Management of Hawaii

Enclosures: Attachment A – Field Information Form

cc: Wayne Hamada – City and County of Honolulu
Justin Lottig – WMH
Jesse Frey – WMH
Mark Hofferbert – AECOM Technical Services

